

Date: Mon, 22 Mar 93 19:28:19 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #363  
To: Info-Hams

Info-Hams Digest                      Mon, 22 Mar 93                      Volume 93 : Issue    363

Today's Topics:

                    02-AT questions (2 msgs)  
                            DidYouKnow...  
                    Experiences with Cushcraf  
            Experiences with Cushcraft R7 vertical??  
                            Help w/ 6m!  
                    How long to get new Callsign?  
                    Motorola Radios Are/Were Tough  
            N.A. 5.000MHz Time Signal - not WWV - what is it?  
                    Need Total Number of Hams by Birth Year  
                            past postings about Yaesu ft-530?  
                                    Real NoCodes  
            SOLVED! Uniden BC-100XLT PRIORITY setting mystery  
                    SOLVED! Uniden BC100XLT PRIORITY setting mystery

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.  
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Date: Mon, 22 Mar 1993 23:16:43 GMT  
From: sdd.hp.com!sgiblab!a2i!davidj@network.UCSD.EDU  
Subject: 02-AT questions  
To: info-hams@ucsd.edu

In <1o188pINNNov3@usenet.INS.CWRU.Edu> dxk10@po.CWRU.Edu (David Kazdan Md) writes:

>Netters:

>Recently acquired an 02-AT without manual...would someone kindly  
>post the voltage limits for the external power connector and the  
>microphone and speaker connection diagram?

DC in can take up to 16 volts, center pin is positive.

Speaker is a standard 2.5mm mini plug.

Mic is a standard 3.5mm mini plug. AC couple the mic to the center  
pin through 1 to 2 uF. PTT is accomplished by connecting the center  
pin to ground through ~10K resistor.

Icom will sell you a complete service manual for \$10, you can call  
them at 206-454-7619.

73

David WA6NMF

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Josephson Engineering, San Jose California      MICROPHONES  
Tel/ 408-238-6062 Fax/ 408-238-6022      INSTRUMENTATION  
email:david@josephson.com ftp info from: rahul.net /pub/davidj/  
-----

Date: Tue, 23 Mar 1993 01:22:13 GMT  
From: usc!howland.reston.ans.net!gatech!rpi!rs6422.ecs.rpi.edu!  
maessm@network.UCSD.EDU  
Subject: 02-AT questions  
To: info-hams@ucsd.edu

In article <C4BCnv.KoE@rahul.net>, davidj@rahul.net (David Josephson) writes:  
|> In <1ol88pINNov3@usenet.INS.CWRU.Edu> dxk10@po.CWRU.Edu (David Kazdan Md)  
writes:

|> Speaker is a standard 2.5mm mini plug.

|>

|> Mic is a standard 3.5mm mini plug. AC couple the mic to the center  
|> pin through 1 to 2 uF. PTT is accomplished by connecting the center  
|> pin to ground through ~10K resistor.

I think you have the plugs reversed. The mic plug is the small one, and the  
speaker plug is the big one. Alos, if you are using an electret mike element,  
you do not need, or want, the capacitor in the mike line, as the mike element  
gets its power from the rig through the mike line.

--

Mat Maessen    N2NJZ                    | maessm@rpi.edu

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The opinions expressed in this message definitely do NOT reflect the

views of RPI, Roland Schmitt, or BAPP

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Date: Mon, 22 Mar 1993 22:51:44 GMT  
From: sdd.hp.com!zaphod.mps.ohio-state.edu!howland.reston.ans.net!gatech!ncar!  
uchinews!quads!buzy@network.UCSD.EDU  
Subject: DidYouKnow...  
To: info-hams@ucsd.edu

Today Japan owns the 7/11 store chain, Dunlop, Universal Pictures, Columbia Pictures, Loews Theaters, MCA Home Entertainment, Tri-Star Pictures, CBS Records, Columbia Records, Spencers stores, Ciniplex Odeon (a big part), Firestone Tires and many many more very large US companies while Americans are prevented from owning any important Japanese concerns.

To find out more about this (and get a more complete list of the above), read (JAPANYES) "Does America Say Yes To Japan?"; Louis Leclerc 1992,93 which is available free on INTERNET. (most recent edition is v031993). This thoughtfully written and important article has been circulating widely in many of America's biggest corporations & universities like IBM & Harvard. When you read it (it takes about 30 minutes), you'll see why.

The essay provides a frightening yet fascinating detailed, referenced overview of the Japanese industrial machine at work and how Japan practices 'business is war' strategies to target and take over strategic critical U.S. industries like high technology, popular media and heavy industry as well as influence the decisions of the US government in favor of Japan. It is a very moving piece and is filled with many verifiable and disturbing examples.

You can get JAPANYES 1 of 3 ways:

- 1) FTP to monu6.cc.monash.edu.au it's in directory: pub/nihongo as: JAPANYES
- 2) The article has been posted in its entirety (in three sections however) in the misc.test & soc.culture.usa & sci.econ newsgroups. Search on the author 'buzy' or the title 'article' to find the posts.
- 3) Email a request for JAPANYES to ar12@midway.uchicago.edu  
He will email you a copy.

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Date: 22 Mar 93 16:08:00 GMT  
From: netcomsv!netcomsv!pcs!bill.nadzam@decwrl.dec.com  
Subject: Experiences with Cushcraf  
To: info-hams@ucsd.edu

BMI'm seriously thinking about getting a Cushcraft R7 vertical to replace BMmy old Butternut HF-6V that came down hard last Fall (with a little help BMfrom the guys putting on my new roof :-( )

BM

BMI liked the HF-6 but I'd like to add 12 & 17-meter coverage (since my BMKWM-2A has all the WARC bands). The end-fed half-wave design of the R7 BMintrigues me too. If I put it up in the same place, it will be up on my BMroof attached to the chimney and other supports, but with a minimal BMradial system at most. The R7 CLAIMS to not need extensive radials BMbecause of the half-wave design.

BM

BMAnyone have any SPECIFIC experience WITH THE R7 that they'd care to BMshare? (as opposed to general theoretical discussions of verticals vs BMwhatever).

BM

BMTnx es 73 de WA8TZG

BM--

Well Bill I have had some fun with a R5 which is the same antenna without 30 and 40 meters. Let me tell you I had a lot of problems with the R5 at first because I had it up on a 30 foot mast that had guy wires at 18 and 28 feet. The guys worked like radials that caused the R5 to detune its operation. So the only way this antenna works good is without radials. I plan on moving it as soon as I can come up with a 28 to 32 foot ladder to my chimney. Which is closer to my Radio Shack for one and a bit higher then the mast too. All in all I like the R5 and the R7 is a fine antenna too. I hear a lot of them on the air.

---

. EZ 1.37 . 73 de Bill K8WN ...\_.\_

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Date: 22 Mar 1993 22:08:43 GMT

From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net

Subject: Experiences with Cushcraft R7 vertical??

To: info-hams@ucsd.edu

> Anyone have any SPECIFIC experience WITH THE R7 that they'd care to  
> share?

I've got an R7. It's mounted on my roof on one of those Radio Shack TV antenna tripods. It survived the blizzard of 93 here with no problems unlike some of my wire antennas and several trees in my yard. Performance is pretty much as claimed. I checked the SWR against the charts in the literature and it does at least as well as they claim, except on 30 Meters.

On 30 Meters the resonant point of the antenna is well outside the band and

the SWR is worse than on any other band. This is not an isolated problem, but I understand that CushCraft may have a mod if you complain about it. The other story I heard is that nearby trees affect the operation of the thing. This had me rather concerned as my entire yard consists of trees much taller than my house (and the R7), however I have not observed any problems with that. It works OK. It is a little narrow on 40, but though we set ours up to be centered on 7.100, the TS440 internal tuner worked just fine up in the middle of the phone section and it worked there fine.

Needless to say it doesn't work at all on 80 (though it's not claimed to). It does, oddly enough, work better on 6m than the 6m Ringo Ranger according to a friend of mine who also has one (I installed both of them).

-Ron

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Date: Mon, 22 Mar 1993 23:36:20 GMT  
From: usc!sol.ctr.columbia.edu!eff!news.oc.com!talon@network.UCSD.EDU  
Subject: Help w/ 6m!  
To: info-hams@ucsd.edu

My brother-in-law was given a Gonset(?) 6m transceiver by his grandfather. It looks to be in pretty good shape, but does not power up. Is there any place that I can get a manual for this rig??

Thanks and 73's

David Fox

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David Fox (KB5ULK)	Disclaimer: My words or actions
President, Radio East Texas State University	are not the official words or
Internet: talon@wizard.etsu.edu	actions of the University or of
talon@merlin.etsu.edu	Radio East Texas State University,
s8623f@etsuv2.etsu.edu	unless, of course, there was a
2m band: 147.02, 146.78, 146.52 Mhz.	vote!!! :)

"Treat your airplane like a woman. Get inside her and take her to heaven and back, five times a day!! WOOF WOOF!" - Lord Flasheart, from Blackadder IV

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Date: 22 Mar 1993 21:55:22 GMT

From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net  
Subject: How long to get new Callsign?  
To: info-hams@ucsd.edu

I've noticed the in addition to the FCC being loaded, the League seems to be suffering a bit. In the past I used to get a postcard indicating that they had sent the session to the FCC within a day or so of them receiving it. Our Feb 27 session, should have arrived FEDEX at the ARRL on 2 March, but didn't clear there until the 11'th. If I had taken the allowable 10 days it could have added three weeks to the processing time.

-Ron

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Date: Sat, 20 Mar 1993 16:02:59 GMT  
From: sdd.hp.com!ux1.cso.uiuc.edu!cs.uiuc.edu!vela.acs.oakland.edu!w8hd!kenh@network.UCSD.EDU  
Subject: Motorola Radios Are/Were Tough  
To: info-hams@ucsd.edu

>When I started shopping for my HT a couple of years ago, I was very  
>disappointed to find that Motorola doesn't seem to realize that Ham Radio is  
>a viable market... too bad that somebody like the ailing Government Products  
>Division doesn't think to try to adapt the Motorola HT technology to the  
>Ham bands. I think some of their HT's already have DTMF pads, so all that  
>would be necessary is changing from a xtal control to a synthesizer. (As  
>for CTCSS, well, Moto invented PL! ;-)

Clark:

Although the idea of Motorola making equipment for ham market is a good one from ham's point of view, it is not so great from Motorola.

First, the quality of the equipment is much higher than ham's are used to, and as such so would be the price. Hams are a notoriously cheap lot, and you can bet few would pay for the sort of quality. Cheapen it, you say...too expensive to open a whole new line for one market.

Next, Motorola has about 65 percent of the land mobile market now, and gets top dollar from the government, business, and other private radio interests. Why bother with 'narrow casting'? Heck if each and every ham bought one of the their radios (REAL doubtful) that would amount to only 600,000 in the US. They sell more than that to police departments alone.

Best,

--

kenh@w8hd.org

Ken Hoehn - Teletech, Inc.

P.O. Box 924

Dearborn, MI 48121

Compuserve: 70007,2374

FAX: (313) 562-8612

VOICE: (313) 562-6873

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Date: Tue, 23 Mar 1993 01:46:26 GMT

From: swrinde!emory!athena!aisun3.ai.uga.edu!mcovingt@network.UCSD.EDU

Subject: N.A. 5.000MHz Time Signal - not WWV - what is it?

To: info-hams@ucsd.edu

In article <1ojfd0\$1q9s@hal.gnu.ai.mit.edu> regnad@hal.gnu.ai.mit.edu (Paul Prescott) writes:

>

>I also vote for the Venezuelan station. At my location (central Texas)

>I hear them on 5 MHz almost every night. My spanish is terrible, but

>"Caracas, Venezuela" is part of the ID.

Lo que dice es:

"Observatorio Naval Cagigal, Caracas, Venezuela"

--

:- Michael A. Covington	internet mcovingt@ai.uga.edu :	*****
:- Artificial Intelligence Programs	phone 706 542-0358 :	*****
:- The University of Georgia	fax 706 542-0349 :	* * *
:- Athens, Georgia 30602-7415 U.S.A.	amateur radio N4TMI :	** *** **

-----  
Date: Mon, 22 Mar 1993 14:14:58 -0500

From: swrinde!gatech!howland.reston.ans.net!sol.ctr.columbia.edu!eff!news.oc.com!

utacfd.uta.edu!rwsys!ricksys!lawton!red.uucp!terry@network.UCSD.EDU

Subject: Need Total Number of Hams by Birth Year

To: info-hams@ucsd.edu

I need the total number of hams in the USA for each birth year. The information will be used to support a research project on self-directed learning and the impact of cultural events.

I am nearly the completion of a dissertation in education and have now been asked to get this additional informations. Thanks for the help.

Regards, Terry.

--

DOMAIN: terry%red@lawton.lonestar.org (Terrence R. Redding)

UUCP: . . . !rwsys!lawton!red!terry (Terrence R. Redding)  
PACKET: WB5LMJ @ WB5MJS.OK.USA.NA  
Voice 405 536-8822, Ben's Place (Benjamin Franklin) BBS 536-6988 9p to 6a  
PhD candidate, University of Oklahoma in Adult and Higher Education  
Educational Advisor, American Radio Relay League  
221 SW Crystal Hills Drive, Lawton, Oklahoma 73505

-----  
Date: 22 Mar 93 23:31:05 GMT  
From: netcomsv!netcom.com!jfh@decwrl.dec.com  
Subject: past postings about Yaesu ft-530?  
To: info-hams@ucsd.edu

I wrote:

>I recently purchased a Yaesu FT-530 2m/440 HT. It seems to have a slightly  
>fried CPU or something. It occasionally goes into strange modes where it  
>can't receive 2m, or the buttons don't work as they're supposed to. If I  
>reset the CPU, everything works again for a while (but the reset erases all  
>the memory).

At the suggestion of another read, I called Yaesu technical support about this. While I was at it, I asked them a few other questions. They didn't have answers to any of them; perhaps someone out there in USENET-land does.

1) What about the reset problem?

They said they'd never heard of it. Odd; another reader told me he had, and he doesn't even work for Yaesu technical support.

They said that there had been a lot of complaints about the original antenna, and that they had a replacement. If it's free, I will ask for one after (if) I decide to keep the radio.

2) I may be in Europe later this year. Can I somehow transmit the 1750 Hz tone-burst used by European repeaters?

They have mods for lots of other radios to do this, but not for the FT-530.

3) I have a motorcycle, and would like to use the radio on the motorcycle. I have a full-face helmet, so I can't use a headset or earmic with the PTT button attached to the microphone. The flyer doesn't show anything with the PTT on a separate chord. Do you know of anything.

No, they don't make anything like that, and they don't know anything about 3rd party products.



4) Are there any other mods to the radio besides the 13/15 cut for extended receive or the 13 (or maybe 15) cut for extended receive and transmit?

No, they don't.

--

-----  
Jack Hamilton    jfh@netcom.com    P. O. Box 281107    SF, CA    94128-1107  
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Date: 23 Mar 1993 01:57:42 GMT  
From: sun-barr!news2me.EBay.Sun.COM!jethro.Corp.Sun.COM!caliban!tjonz@ames.arpa  
Subject: Real NoCodes  
To: info-hams@ucsd.edu

In his well deserved and nicely executed torching of KA1FTW's highly offensive "Real NoCodes" article, N6ARE writes:

> And who is KA1FTW? Interesting that he is only 37 yet rambles on  
> like a toothless 77 yr old geezer.

Old Farthood is a state of mind, and has nothing intrinsically in common with age. We all know hams in their 70s and 80s who don't yet qualify for O.F. certification, but as Julian points out, even at 37 you're not too young....

--

Todd, KB6JXT                    "I believe if I refuse to get old, I can stay  
                                 young 'til I die."    Stephen Schwartz, "Pippin"

-----  
Date: 23 Mar 93 03:05:47 GMT  
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!usenet.ins.cwru.edu!news@network.UCSD.EDU  
Subject: SOLVED! Uniden BC-100XLT PRIORITY setting mystery  
To: info-hams@ucsd.edu

jeremiah@yang.earlham.edu (Jeremiah Wilton) writes:

>Selecting PRIORITY will cause the scanner to rescan the FIRST PRESET OF EACH  
>SELECTED BANK (i.e. 1,11,21,31,41,71,91), every (? 2 ?) seconds, including when  
>keyed onto a frequency. This includes keying into a priority channel, so  
>conceivably, one priority channel can override another, and they would  
>alternate back and forth...

>If the other selected banks have their first presets locked out, or if there is  
>only one bank selected, the priority channel is checked, and upon keying,  
>remains stable until squelch. This seems like the only reasonable way to use  
>it, but that means you can't put anything in the first preset of the other  
>banks that you ever want to hear.

On the BC-200, at least, channel 1 overrides channel 21, which overrides  
41, and so on... You have ten priority channels, all of which override  
the other 190. Inside those ten, the lower-numbered channels are  
higher priority.

I think it's great for what I do. I don't mind at all losing ten channels  
out of 200; I can't fill 200 channels even with two cities I move between.  
It means I can scan all sorts of semi-interesting stuff, and get  
priority on the main dispatch channels for the three or four agencies  
that directly affect me.

Priority is one of those things you'll either use all the time or  
never.

--

Jacob DeGlopper, EMT-A, Wheaton (MD) Volunteer Rescue Squad  
-- CWRU Biomedical Engineering - jacob@b63510.CWRU.Edu --

"Make it work first before you make it work fast" -- Bruce Whiteside

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Date: 23 Mar 93 02:02:26 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: SOLVED! Uniden BC100XLT PRIORITY setting mystery  
To: info-hams@ucsd.edu

Jeremiah Wilton <jeremiah@yang.earlham.edu> writes:

> Selecting PRIORITY will cause the scanner to rescan the FIRST PRESET OF EACH  
> SELECTED BANK (i.e. 1,11,21,31,41,71,91), every (?2?) seconds, including when  
> keyed onto a frequency. This includes keying into a priority channel, so  
> conceivably, one priority channel can override another, and they would  
> alternate back and forth...  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Actually not. The lower-numbered priority channels "outrank" the  
higher-numbered ones, so that (for example) if the priority function has  
brought up channel 41, it will still check channels 1, 11, 21, and 31, and  
will switch to any of these that it finds active. (Assuming these channels  
and banks are not locked out...) It will not check 51, 61, 71, etc. until  
41 goes inactive and scanning is resumed.

Thus, one priority channel can override another, but they will not alternate; the lower-numbered channel will prevail.

Note also that channel 1 overrides \*everything\* when priority is set, and will be checked even if bank 1 is not selected or if channel 1 is locked out.

(I'm writing from experience with a BC200XLT, which I \*think\* behaves the same as the BC100XLT where priority is concerned. If this isn't the case, I'd appreciate hearing about it...)

Hope this helps the BC100/200 owners out there...

(And yes, I realize this is an "out-of-band transmission" for rec.radio.amateur.misc / INFO-HAMS, but that's where I found the original message. Discussion on this topic probably needs to go to email or alt.radio.scanner from here on.)

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=====
Richard Hosker      : ttttttttt Tennessee Technological University
rph0470@tntech.edu  : t u t u Cookeville, TN
PO Box 6083 TTU     : t u t u
Cookeville, TN 38505 : t uuuuu "Mama, don't take my Kodachrome away!"
=====
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Disclaimer: After this many years of college, these opinions are among the few things Tech \*hasn't\* taken from me yet. ;-)

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Date: 22 Mar 1993 22:25:48 GMT  
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Mar20.183158.28509@bongo.tele.com>,  
<1993Mar22.161029.23373@rock.concert.net>, <65326@mimsy.umd.edu>  
Subject : Re: Break+ (was Re: Real NoCodes)

> As near as I can tell, the use of "break" differs from coast to coast. My  
> understanding out here on the east coast is that "break" \*does\* signify an  
> emergency,

Actually, I thought this was promulgated by the ARRL. I guess the propagation from CT to east coast hams is faster than to west coast. The recommended way of entering a repeater conversation here is to use your callsign. However, break is largely abused even here. Anyhow, courtesy dictates you should let the breaker talk for a second regardless of whether it's an emergency or not. During the last snowstorm we ran emergency communications for the Red Cross at the same time as people were using the repeater for passing less crucial

information and nobody ever had to say break to interrupt one another.

That is what the purpose of the courtesy timer is... :-) [A local ham, who shall remain nameless (Nancy) who hadn't operated HF in quite some time had some difficulty checking into the 10 meter net as she kept waiting for the beep after the net control talked.

-Ron

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Date: 22 Mar 93 18:29:21 GMT  
From: pipex!bnr.co.uk!uknet!pyrltd!mwuk!tony@uunet.uu.net  
To: info-hams@ucsd.edu

References <1993Mar19.090111.21568@news.columbia.edu>,  
<POPOVICH.93Mar19054906@morningside.cs.columbia.edu>,  
<1odd85INN3b7@gerald0.cc.utexas.edu>  
Subject : Re: CW timing and rare char.

In article <1odd85INN3b7@gerald0.cc.utexas.edu> davros@ccwf.cc.utexas.edu (Buddy Brannan) writes:

> Never heard it as an exclamation point. However, I read a QST correspondence  
> letter a couple years back that proposed ---. as an exclamation point, so  
> when I have occasion to use that symbol, I use ---. (I like it, even if it's  
> not correct, orthodox, ro whatever).

I believe ---. is already defined as the German o" (o umlaut).

For completeness, .-. is a", and ..-- is u" (again, German).

I also heard once the ---- is a "ch" symbol, but don't know what language.

I think those, together with the standard 26 letters, account for all possible combinations of up to four elements.

What other exotic letters are defined?

Tony

--

Tony Mountifield	(G4CJO)	Microware Systems (UK) Ltd.
-----		Leylands Farm, Nobs Crook,
Email: tony@microware.co.uk		Colden Common, WINCHESTER, SO21 1TH.
(or: ....!uknet!mwuk!tony)		Tel: 0703 601990 Fax: 0703 601991

-----  
\*\* Any opinions are mine, not Microware's - but you knew that anyway. \*\*  
-----

-----  
Date: Sat, 20 Mar 1993 16:05:01 GMT

From: sdd.hp.com!ux1.cso.uiuc.edu!cs.uiuc.edu!vela.acs.oakland.edu!w8hd!

kenh@network.UCSD.EDU

To: info-hams@ucsd.edu

References <9303101707.AA22852@emx.cc.utexas.edu>, <1no011INNk1@network.ucsd.edu>, <C428vK.LMx@hpuerca.atl.hp.com>

Subject : Re: Motorola Radios Are/Were Tough

On the topic of general problems with Motorola commercial radio equipment, don't forget the service manuals. They are, without a doubt, in my opinion the worst ever.

--

kenh@w8hd.org

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End of Info-Hams Digest V93 #363

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